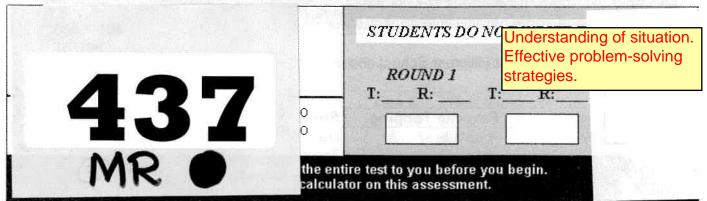
2007-08 Idaho 4th Grade Direct Mathematics Assessment



- 1. In the spring, Lewis and Clark saw 749 buffalo, 15 mountain sheep, 1,305 prairie dogs, 14 grizzly bears, and 426 deer.
 - a. How many more prairie dogs were there than buffalo? Show how you found your answer.

1.30/5 prarie dogs -749 buffalo

check 556 +749 1305

There are 550 more pravile clogs than 6.500

b. How many animals did Lewis and Clark see in all? Show how you found your answer.

799 buffalo 1,305 prasie dogs 14 grizzly bears +426 deer 2,509

(There are 2,509 animals in W

c. In the summer, Lewis and Clark saw three times more grizzly bears than in the spring. How many bears did they see? Show how you found your answer.

Harizzly bears
42gri22ly bears

chech 42 14 d. Lewis and Clark saw a total of 15 sheep on three different mountains. Each mountain had the same amount of sheep. How many sheep did Lewis and Clark see on each mountain? Show how you found your answer.

Adequate processes.

15 -3

5 X3=15

There is 42 more larizzly bears) in the summer than in the spring.

Lewis and blank saw 5 mountainsheepon each mountain.

Read problems 2, 3, 4, and 5 on this **and** the next two pages.

Select three problems to answer. Answer ALL of the parts of the three problems you select to answer.

Cross out the one problem that you do not choose to answer.

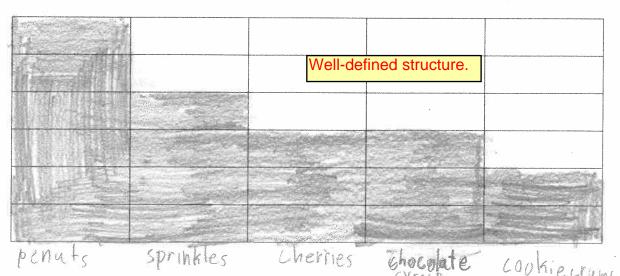
2. The 4th grade students at Hillcrest School chose their favorite ice cream topping. The results are below.

Student	Favorite Topping	Student	Favorite Topping	
Tommy Julie Nick David Joseph Kim Nancy Tiffany Jimmy	peanuts / sprinkles / cherries / peanuts / peanuts / peanuts / sprinkles / chocolate syrup / chocolate syrup / cherries /	Debbie	chocolate syrup / peanuts / cookie crumbs / peanuts / cherries / sprinkles / peanuts / sprinkles / cookie crumbs / cookie crum	

a. Organize the information to show how many students chose each kind of topping. Show how you found your answer.

PENATS Springer Chocolate Cooke

b. Complete the graph below about the favorite ice cream toppings.



c. Using the data from the graph, write two math statements that are true.

More students like penuts + Lavorite transpare the least chories, and chorolate syrup. Effective math vocabulary.

- 3. Jim collects toy cars. He sorts them into boxes. He put one in the first box, four in the second box, and seven in the third box.
 - a. Complete the chart below showing the number of cars Jim will put in each box.

	Box 1	Box 2	Box 3	Box 4	Box 5
Number of Cars	1	4	7	A company of	13.

b. Continuing this pattern, how many will Jim put in the seventh box? Show how you found your answer.

1+3=4+3=7+3=18+3=18+8+8+18=19

- c. How many total cars will there be in all seven boxes? Show how you found your answer
- d. Explain the rule for this pattern. Show how you found your answer.
- 4. a. Write the name of each shape.

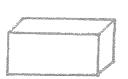
Effective math vocabulary.







triangle



b. Which two shapes are more alike? Explain your thinking.

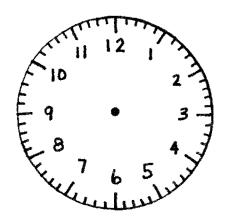
have six corners.

Adequate

angle has three sides, Three corners, and

understanding of the

5. Maria spent each Monday night after school doing the following activities: 20 minutes doing math, 30 minutes practicing gymnastics, 15 minutes studying spelling words, 5 minutes practicing math facts, and 1 hour of free play.



a. What is the total time she spends on these activities? Show how you found your answer.

20 min hath 35 min synillastics 15 min; spelling words +68 min free play

Occasional computational errors.

Marix spenishr. 30 min on hea

b. If she started these activities at 4:15 P.M., what time would she finish? Show how you found your answer.

415 poh 20 min math 30 min spellmawords 5 min spellmawords + 10 min free play

Proficient thinking skills and process is apparent.

Maria will finish at 5:45 pm.

c. On one Monday night, Maria started her activities at 4:15 P.M. Her mother told her to be finished by 6:00 P.M. Which activities could she choose so that she finished by 6:00 P.M.? Show how you found your answer.

Paria could do freeplay, and gyptmastics.

4:15 +60 m/m. freeplass 30 min gymnastius. 5:46

Structure of responses is well-defined and adaptable.